

SAFETY DATA SHEETS

This SDS packet was issued with item:

078918483

N/A

Material Safety Data Sheet



Authorization date: 11/01/2000
Revision date: 09/18/2009
Print Date: 09/18/2009
Version: 0

Serial 81-13-11

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: ISE DILUENT GENTAMYCIN 2X0.2 L
Product number: 04880528190
Global material number: 12217619001
Business area: Centralized Diagnostics
Product line: Roche/Hitachi
Instrument type: Not applicable
Supplier: Roche Diagnostics Corporation
9115 Hague Road
Indianapolis, IN 46250
Site Phone Number: 1-800-428-5074
Emergency telephone number:
CHEMTREC:
1-800-424-9300 (U.S. or Canada)
1-703-527-3887 (International)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description 1: Bottle 1

Components	CAS Number	Weight %	OSHA PEL:	OSHA STEL:	ACGIH TLV:	ACGIH STEL:
Boric Acid	10043-35-3	1-5	NA	NA	2 mg/m ³	6 mg/m ³
Gentamicin Sulfate	1405-41-0	0.1-<1	NA	NA	NA	NA

3. HAZARDS IDENTIFICATION

Emergency Overview

NFPA Ratings: Health= 1 Flammability= 0 Reactivity= 0 Special= I

Special Definitions: A=Allergen CA=Carcinogen CO=Corrosive F=Flammable H=Harmful I=Irritant Ox=Oxidizer PB=Potential Biohazard
R=Reproductive S=Sensitizer T=Toxic T+=Highly Toxic W=Water Reactive

Principle routes of exposure: Ingestion, inhalation, skin and/or eye contact.

Inhalation: May cause irritation of respiratory tract.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Skin contact: May cause irritation with redness and pain. Gentamicin Sulfate: May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

Eye contact: May cause irritation.

Sensitization or Odor threshold: None.

Medical conditions aggravated by exposure: None known

Additional information: None

4. FIRST AID MEASURES

Inhalation: Consult a physician. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin contact: Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Ingestion: Call a physician immediately. Do not induce vomiting without medical advice.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Notes to physician: None determined

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam.

Unusual hazards: None known.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Evacuate personnel to safe areas. Remove all sources of ignition.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Do not let product enter drains.

Methods for cleaning up: Never return spills in original containers for re-use. Soak up with oil absorbent material. Sweep up or vacuum (if powder) or soak up with inert absorbent material (if liquid), then place into a suitable clean, dry, closed container, and label for disposal.

7. HANDLING AND STORAGE

Handling: Protect from contamination. Wear personal protective equipment.

Storage: No special precautions required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Not applicable.

Personal Protective Equipment

Respiratory protection: Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow the OSHA regulation, 29CFR1910.134. Always use a NIOSH approved respirator when necessary.

Hand protection: Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.

Skin and body protection: Wear appropriate body protection to prevent skin contact.

Eye protection: Wear appropriate eye protection to prevent eye contact.

Hygiene measures: When using, do not eat, drink or smoke. Keep away from food and drink. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling point/range: No information available

Melting point/range: Not determined

pH: 3.8

Physical state: Liquid.

Flash point: No information available.

LEL (%): Not determined

UEL (%): Not determined

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Polymerization: None under normal processing.

Hazardous decomposition products: No data available.

Materials to avoid: Incompatible with strong acids and bases. Oxidising agents (strong).

11. TOXICOLOGICAL INFORMATION

Components	NIOSH - Selected LD50s and LC50s:	NIOSH Pocket Guide - Target Organs:
Boric Acid	>0.16 mg/L Inhalation LC50 Rat 4h =2660 mg/kg Oral LD50 Rat >2000 mg/kg Dermal LD50 Rabbit	
Gentamicin Sulfate	>5 g/kg Oral LD50 Rat	

Product number: 04880528190

Page 2 of 4

Product name: ISE DILUENT GENTAMYCIN 2X0.2 L

Inhalation:	No additional data available
Skin:	No additional data available
Oral:	No additional data available
Mutagenic effects:	No data is available on the product itself
Reproductive toxicity:	No data is available on the product itself

12. ECOLOGICAL INFORMATION

Bioaccumulation:	Not determined
Aquatic toxicity:	No data is available on the product itself
Ecotoxicity effects:	No data is available on the product itself

U.S. EPA, RCRA, CERCLA, SARA, or DGC information on persistent, bioaccumulative, and toxic chemicals (PBTs):
The following chemicals are listed under the U.S. EPA regulations of RCRA, CERCLA, SARA, or DGC:

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

14. TRANSPORT INFORMATION

Is product hazardous to ship? No.
DOT

Proper shipping name: None

UN Number: Not applicable	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable
---------------------------	------------------------------	---------------------------------	-------------------------------

ICAO/IATA

Proper shipping name: None

UN Number: Not applicable	Hazard class: Not applicable	Subsidiary risk: Not applicable	Packing group: Not applicable
---------------------------	------------------------------	---------------------------------	-------------------------------

15. REGULATORY INFORMATION

U.S. Regulations:

U.S. CERCLA/SARA/TSCA Regulatory Information: The following chemicals are listed under the following TSCA/SARA/CERCLA lists. Refer to TSCA regulation if you need a definition for acronyms that may be shown in the TSCA Inventory field in the table below

Components	CERCLA/SARA 302 RQ and TPQ (40 CFR 355, App.A)	CERCLA/SARA 304 RQ (40 CFR Table 302.4)	SARA 313 Emission reporting	TSCA Inventory
Boric Acid				Present

U.S. Clean Water Act (CWA)/ California Proposition 65: The following chemicals are listed under the CWA and/or California Proposition 65:

Canadian Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Components	Canada - WHMIS: Classifications of Substances:
Boric Acid	D2A

16. OTHER INFORMATION

Reason for revision:	Not applicable
References:	None.

Product number: 04880528190

Page 3 of 4

Product name: ISE DILUENT GENTAMYCIN 2X0.2 L

No data is available on the product name
No data is available on the product name
No data is available on the product name
No data is available on the product name

Additional information
Additional information
Additional information
Additional information

1. IDENTIFICATION INFORMATION

Product name: [REDACTED]
 Manufacturer: [REDACTED]
 Address: [REDACTED]
 City: [REDACTED]
 State: [REDACTED]
 Zip: [REDACTED]
 Country: [REDACTED]
 Telephone: [REDACTED]
 Fax: [REDACTED]
 E-mail: [REDACTED]
 Web site: [REDACTED]
 Additional information: [REDACTED]

2. PHYSICAL AND CHEMICAL INFORMATION

Chemical name: [REDACTED]
 Molecular weight: [REDACTED]
 Boiling point: [REDACTED]
 Melting point: [REDACTED]
 Density: [REDACTED]
 Vapor pressure: [REDACTED]
 Solubility: [REDACTED]
 Stability: [REDACTED]
 Additional information: [REDACTED]

3. TOXICITY INFORMATION

Acute toxicity: [REDACTED]
 Chronic toxicity: [REDACTED]
 Reproductive toxicity: [REDACTED]
 Developmental toxicity: [REDACTED]
 Environmental toxicity: [REDACTED]
 Additional information: [REDACTED]

4. PHYSICAL AND CHEMICAL INFORMATION

Chemical name: [REDACTED]
 Molecular weight: [REDACTED]
 Boiling point: [REDACTED]
 Melting point: [REDACTED]
 Density: [REDACTED]
 Vapor pressure: [REDACTED]
 Solubility: [REDACTED]
 Stability: [REDACTED]
 Additional information: [REDACTED]

5. TOXICITY INFORMATION

Acute toxicity: [REDACTED]
 Chronic toxicity: [REDACTED]
 Reproductive toxicity: [REDACTED]
 Developmental toxicity: [REDACTED]
 Environmental toxicity: [REDACTED]
 Additional information: [REDACTED]

6. PHYSICAL AND CHEMICAL INFORMATION

Chemical name: [REDACTED]
 Molecular weight: [REDACTED]
 Boiling point: [REDACTED]
 Melting point: [REDACTED]
 Density: [REDACTED]
 Vapor pressure: [REDACTED]
 Solubility: [REDACTED]
 Stability: [REDACTED]
 Additional information: [REDACTED]

7. TOXICITY INFORMATION

Acute toxicity: [REDACTED]
 Chronic toxicity: [REDACTED]
 Reproductive toxicity: [REDACTED]
 Developmental toxicity: [REDACTED]
 Environmental toxicity: [REDACTED]
 Additional information: [REDACTED]

8. PHYSICAL AND CHEMICAL INFORMATION

Chemical name: [REDACTED]
 Molecular weight: [REDACTED]
 Boiling point: [REDACTED]
 Melting point: [REDACTED]
 Density: [REDACTED]
 Vapor pressure: [REDACTED]
 Solubility: [REDACTED]
 Stability: [REDACTED]
 Additional information: [REDACTED]

9. TOXICITY INFORMATION

Acute toxicity: [REDACTED]
 Chronic toxicity: [REDACTED]
 Reproductive toxicity: [REDACTED]
 Developmental toxicity: [REDACTED]
 Environmental toxicity: [REDACTED]
 Additional information: [REDACTED]

16. OTHER INFORMATION

Additional advice:

None

Prepared by:

Roche Diagnostics, Health & Safety Department, MSDS Contact: 317-521-7425 or 317-521-7505

The information, data and recommendations contained herein are based upon information believed by Roche Diagnostics Operations after reasonable investigation and research, to be accurate; however, Roche Diagnostics Operations does not warrant the accuracy of this information. All materials and mixtures may present unknown hazards and should be used with caution. When necessary or appropriate, independent opinions regarding the risk of handling or exposure should be obtained from trained professionals. Roche Diagnostics Operations disclaims any warranty against patent infringement and the implied warranties of merchantability and fitness for a particular purpose. Customer's sole and exclusive remedy shall be replacement of the product or return of the product and refund of the purchase price, at Roche Diagnostics Operations's option. In no case shall Roche Diagnostics Operations be liable for incidental or consequential damages, including lost profits.

End of Safety Data Sheet

Product number: 04880528190

Page 4 of 4

Product name: ISE DILUENT GENTAMYCIN 2X0.2 L